

ABSTRACTSILANE CROSSLINKABLE POLYETHYLENE

5           Crosslinkable or crosslinked polymer compositions are provided, the compositions including a copolymer of ethylene and C<sub>3</sub> to C<sub>12</sub> alpha-olefin comonomer, the copolymer having a CDBI of at least 70%, a melt index I<sub>2.16</sub> of from 0.1 to 15 g/10 min, a density of from 0.910 to 0.940 g/cm<sup>3</sup>, a melt index ratio I<sub>21.6</sub>/I<sub>2.16</sub> of from 30 to 80, and an Mw/Mn ratio of from 2.5 to 5.5; and a silane  
10   grafting composition including a silane compound and a free radical initiator; or reaction products thereof. The crosslinkable or crosslinked compositions are particularly suitable for electrical applications, such as in insulating, semiconducting or jacketing layers of power cables, telecommunications cables, and combined power/telecommunications cables.